Amendments to the Specification

Please replace the paragraph beginning on page 1, line 5 through line 13, with the following rewritten paragraph:

The present invention relates to a light source device that has: a light-emitting tube including a light-emitting portion that generates a light beam by an electric discharge between electrodes, and sealing portions provided on both sides of the light-emitting portion; and a reflector including a neck portion provided with an insertion hole to which the light-emitting tube is inserted, and a reflecting portion integrally formed with the neck portion and having an ellipsoidal curved reflecting surface that irradiates the light beam emitted by the light-emitting portion forward ~~after aligning~~ and aligns the light beam in a predetermined direction, as well as to a projector including the light source device.

Please replace the paragraph beginning on page 1, line 28 through page 2, line 3, with the following rewritten paragraph:

The reflector has a neck portion with an insertion hole to which the light-emitting tube is inserted, and a reflecting portion integrally formed with the neck portion and having an ellipsoidal curved reflecting surface that irradiates the light beam emitted by the light-emitting portion ~~after aligning~~ and aligns the light beam in a predetermined direction.

Please replace the paragraph beginning on page 2, line 4 through line 9, with the following rewritten paragraph:

When the light-emitting tube and the reflector are integrated, the sealing portion of the light-emitting tube is inserted to the insertion hole of the reflector, positioned so that the light-

emitting portion is positioned at a predetermined position inside the reflector, and consequently the light-emitting tube can be fixed inside the reflector by curing a silica-alumina inorganic adhesive after filling it from the base end side of the insertion hole to the ~~inside of~~ part between the insertion hole and the sealing portion.

Please replace the paragraph beginning on page 3, line 1 through line 17, with the following rewritten paragraph:

A light source device according to an aspect of the present invention includes: a light-emitting tube including a light-emitting portion that generates a light beam by an electric discharge between electrodes, and sealing portions provided on both sides of the light-emitting portion; and a reflector including a neck portion provided with an insertion hole to which the light-emitting tube is inserted, and a reflecting portion integrally formed with the neck portion and having an ellipsoidal curved reflecting surface that irradiates the light beam emitted by the light-emitting portion ~~after aligning~~ and aligns the light beam in a predetermined direction, in which the light-emitting tube has a sub-reflection mirror that covers substantially front half of the light-emitting portion, in which the reflector has a step formed between the peripheral edge of an opening end of the insertion hole near the reflecting surface and the reflecting surface, in which the external diameter of the step is larger than the external diameter of the sub-reflection mirror while the external diameter of the step is within the internal diameter of a valid reflection area of the reflector, the internal diameter being defined by a focal position on the front side of the reflector and the outer periphery of the sub-reflection mirror, and in which the step has a part where the reflecting surface is not deposited on the border with the valid reflection area.

Please replace the paragraph beginning on page 4, line 7 through line 27, with the following rewritten paragraph:

A projector according to another aspect of the present invention includes: a light source device; an optical modulator that modulates a light beam irradiated by the light source device in accordance with image information to form an optical image; and a projection optical device that projects the optical image formed by the optical modulator in an enlarged manner, in which the light source device includes: a light-emitting tube including a light-emitting portion that generates a light beam by an electric discharge between electrodes, and sealing portions provided on both sides of the light-emitting portion; and a reflector including a neck portion provided with an insertion hole to which the light-emitting tube is inserted, and a reflecting portion integrally formed with the neck portion and having an ellipsoidal curved reflecting surface that irradiates the light beam emitted by the light-emitting portion ~~after aligning~~ and aligns the light beam in a predetermined direction, in which the light-emitting tube has a sub-reflection mirror that covers substantially front half of the light-emitting portion, in which the reflector has a step formed between the peripheral edge of an opening end of the insertion hole near the reflecting surface and the reflecting surface, in which the external diameter of the step is larger than the external diameter of the sub-reflection mirror while the external diameter of the step is within the internal diameter of a valid reflection area of the reflector, the internal diameter being defined by a focal position on the front side of the reflector and the outer periphery of the sub-reflection mirror, and in which the step has a part where the reflecting surface is not deposited on the border with the valid reflection area.

Please replace the paragraph beginning on page 6, line 16 through line 20, with the following rewritten paragraph:

The light source lamp unit 10 that irradiates a light beam emitted by a light source lamp 11 forward ~~after aligning~~ and aligns the light beam in a predetermined direction to illuminate the optical device 40, though described below in detail, includes the light source lamp 11, an ellipsoidal reflector 212, a sub-reflection mirror 13 and a parallelizing concave lens 14.

Please replace the paragraph beginning on page 20, line 26 through page 21, line 2, with the following rewritten paragraph:

In contrast, as shown in Figs. 11A and 11B, an ellipsoidal reflector 712 according to the ~~seventh~~ sixth embodiment differs from the fifth embodiment in that a plurality of recesses 712A are formed on the peripheral surface 121B of the neck portion 121. That is, the profile of the inner surface of the insertion hole 523 is the same as that of the forth embodiment.

Please replace the Abstract with the attached amended Abstract.